May 5, 2003

RE: Meridian Automotive Systems 003-16866-00059

TO: Interested Parties / Applicant

FROM: Paul Dubenetzky
Chief, Permits Branch
Office of Air Quality

Notice of Decision - Approval

Please be advised that on behalf of the Commissioner of the Department of Environmental Management, I have issued a decision regarding the enclosed matter. Pursuant to 326 IAC 2, this approval was effective immediately upon submittal of the application.

If you wish to challenge this decision, IC 4-21.5-3-7 requires that you file a petition for administrative review. This petition may include a request for stay of effectiveness and must be submitted to the Office Environmental Adjudication, ISTA Building, 150 W. Market Street, Suite 618, Indianapolis, IN 46204, **within eighteen (18) calendar days from the mailing of this notice**. The filing of a petition for administrative review is complete on the earliest of the following dates that apply to the filing:

(1) the date the document is delivered to the Office of Environmental Adjudication (OEA);
(2) the date of the postmark on the envelope containing the document, if the document is mailed to OEA by U.S. mail; or
(3) The date on which the document is deposited with a private carrier, as shown by receipt issued by the carrier, if the document is sent to the OEA by private carrier.

The petition must include facts demonstrating that you are either the applicant, a person aggrieved or adversely affected by the decision or otherwise entitled to review by law. Please identify the permit, decision, or other order for which you seek review by permit number, name of the applicant, location, date of this notice and all of the following:

(1) the name and address of the person making the request;
(2) the interest of the person making the request;
(3) identification of any persons represented by the person making the request;
(4) the reasons, with particularity, for the request;
(5) the issues, with particularity, proposed for considerations at any hearing; and
(6) identification of the terms and conditions which, in the judgment of the person making the request, would be appropriate in the case in question to satisfy the requirements of the law governing documents of the type issued by the Commissioner.

If you have technical questions regarding the enclosed documents, please contact the Office of Air Quality, Permits Branch at (317) 233-0178. Callers from within Indiana may call toll-free at 1-800-451-6027, ext. 3-0178.

Enclosures

May 5, 2003

Mr. Wayne Fulghum
Meridian Automotive Systems, Inc.
14123 Roth Road
Grabill, Indiana 46741-0189

Re: **003-16866-00059**
First Administrative Amendment to
Part 70 003-5942-00059

Dear Mr. Fulghum:

Meridian Automotive Systems, Inc. was issued a permit on March 26, 2002 for a stationary high-pressure fiberglass-reinforced plastics manufacturing and painting source. A letter requesting a change was received on February 28, 2003. Pursuant to the provisions of 2-7-11 the permit is hereby administratively amended as follows:

Meridian Automotive Systems, Inc. has requested that the unit description for the prime spray booth SB-A be changed to reflect a capacity of 13.9 gallons per hour instead of 5 gallons per hour which was incorrectly incorporated into the Part 70 permit, and modify coating booth SB-A to include UV coating as one of the application methods.

The proposed changes shall be incorporated into the Part 70 permit via an Administrative Amendment pursuant to 326 IAC 2-7-11(a)(8) which states modifications which consist of revisions of descriptive information where the revision will not trigger a new applicable requirement or violate a permit term may be incorporated into the Part 70 permit via an administrative amendment.

(a) Correcting the Prime Booth SB-A Capacity:

In the original construction permit for booth SB-A, the emission estimates, rule applicability determinations, limits, and other standards were applied based on 13.9 gallons per hour. These applicable rules, limits, and standards were incorporated into the Part 70 permit without any changes or additional applicable requirements. However, during the Part 70 review, the reviewer used a usage rate of 5 gallons per hour instead of 13.9 gallons per hour when determining the source emission rates.

Since the limits and conditions incorporated into the Part 70 permit are based on a usage rate of 13.9 gallons per hour, it is determined that requirements of the Part 70 permit are correct, but the emission estimates and unit descriptions are not.

Thus, to incorporate the correct usage rate into the permit, the emissions calculations shall be revised to reflect the correct usage rate and the unit descriptions shall be changed to reflect a usage rate of 13.9 gallons per hour instead of 5 gallons per hour.

1. Revising the Emission Calculations:

The increase in the SB-A booth usage rate requires recalculation of the PM, PM10, VOC, single HAP, and combined HAP emissions. The following calculations determine the revised source UPTE and emissions after controls after application of all existing and proposed limits and changes.

(A) Source UPTE:

The following calculations determine the revised source UPTE. The revised source UPTE is determined as follows by summing the existing source UPTE and UPTE due to the change in usage Rate.

(1) UPTE Due to the Change in Usage Rate:

To determine the UPTE due to the change in usage rate first requires determining the change in usage rate.

Change in Rate(gal/hr)	=	True Usage Rate (gal/hr)	-	Existing Usage Rate (gal/hr)		
Change in Rate (gal/hr)	=	13.9 gal/hr	-	5 gal/hr	=	8.9 gal/hr

The UPTE due to the change in usage rate is then determined based on use of the worst case coating combination, the estimated usage rate of 8.9 gallons per hour, the coating properties, a transfer fraction of 0.75, emissions before controls, and 8760 hours of operation.

Tons PM/PM10	=	lb/gal * gal/hr * (1 - fraction VOC) * (1 - TE) * 8760 hr/yr * 1/2000 ton/lb
Tons VOC/yr	=	lb/gal * fraction VOC * gal/hr * 8760 hr/yr * 1/2000 ton/lb
Individual HAP (tons/yr)	=	lb/gal * fraction HAP * gal/hr * 8760 hr/yr * 1/2000 ton/lb
Combined HAP (tons/yr)	=	sum [individual HAP Emissions (tons/yr)]

	lb/gal	fraction VOC	gal/hr	fraction transfer (TE)	VOC tons/yr	PM tons/yr	PM10 tons/yr
8000 SW BC-17	10.08	0.495	8.90	0.75	194.31	49.66	49.66
8015 SW G58AR1	9.16	0.554	8.90	0.75	197.75	39.83	39.83
8023 Red Spot Ebony	8.41	0.555	8.90	0.75	181.82	36.50	36.50
8025 Cooks Beige	10.27	0.464	8.90	0.75	185.84	53.63	53.63
8050 SO Storm Gray	8.16	0.61	8.90	0.75	193.88	31.05	31.05
8064 SW Med Mist	9.26	0.447	8.90	0.75	161.39	49.90	49.90
8065 SW Camel Tan	9.46	0.441	8.90	0.75	162.63	51.54	51.54
8066 Dark Slate	8.86	0.513	8.90	0.75	177.01	42.09	42.09
8067 SW Med Fawn	10.06	0.408	8.90	0.75	160.12	58.01	58.01
8116 SW AC-601	9.38	0.355	8.90	0.75	129.88	58.94	58.94
8118 AKZO 40431 CN	9.17	0.588	8.90	0.75	210.23	36.81	36.81
8119 RS Graphite	8.17	0.604	8.90	0.75	192.43	31.51	31.51
8120 SO BP-9471	9.13	0.416	8.90	0.75	147.88	52.01	52.01
8159 AKZO 224C	10.02	0.56	8.90	0.75	**218.70**	42.98	42.98
8616 SW Gray	11.20	0.43	8.90	0.75	187.61	**62.25**	**62.25**
				tons/yr	**218.70**	**62.25**	**62.25**

HAP*	Worst Case Single HAP tons/yr	Combined HAP tons/yr
Xylene	**83.39**	83.39
MIBK	20.56	103.95
MEK	52.81	156.76
Ethylene	19.33	176.09
Ethylbenzene	27.11	203.20
Formaldehyde	2.72	205.92
Toluene	27.11	233.03
Cumene	1.14	234.17
Benzene	0.00	234.17
2-2-Butoxyethoxy	18.42	252.59
2-butoxyethanol	6.68	259.27
diethylene glycol	63.70	322.97
methyl alcohol	0.50	323.47
Toluene 2,4 diisocyanate	0.20	**323.67**

* The detailed HAP emission calculations are included in the attachment at the end of this letter.

(2) Total Revised Source UPTE:

The revised source UPTE is determined based on the sum total UPTE from the existing Part 70 permit (5942), first minor source modification (11770), and first significant source modification (16292), and the estimated change in UPTE.

Criteria Pollutant UPTE:

	PM tons/yr	PM10 tons/yr	SO2 tons/yr	NOx tons/yr	VOC tons/yr	CO tons/yr
5942 UPTE	379.00	371.00	57.60	91.70	790.00	41.80
11770 UPTE	-	-	-	-	14.86	-
16292 UPTE	172.40	172.40	-	-	29.00	-
Change in UPTE	62.25	62.25	-	-	218.70	-
Total	**613.65**	**605.65**	**57.60**	**91.70**	**1052.56**	**41.80**

Single and Combined HAP UPTE:

HAP	5942 UPTE tons/yr	11770 UPTE tons/yr	16292 UPTE tons/yr	Change in UPTE Single HAP tons/yr	Revised UPTE Worst Case Single HAP tons/yr	Revised UPTE Combined HAP tons/yr
Styrene	221	14.86	29.0	-	264.86	264.86
Xylene	200	-	-	83.39	**283.39**	548.25
MIBK	46.6	-	-	20.56	67.16	615.41
MEK	144	-	-	52.81	196.81	812.22
Ethylene	43.2	-	-	19.33	62.53	874.75
Ethylbenzene	56.6	-	-	27.11	83.71	958.46
Formaldehyde	6.70	-	-	2.72	9.42	967.88
Toluene	66.6	-	-	27.11	93.71	1061.59
Cumene	1.92	-	-	1.14	3.06	1064.65
Benzene	0.0008	-	-	0.00	0.0008	1064.65
2-2-Butoxyethoxy	31.0	-	-	18.42	49.42	1114.07
2-butoxyethanol	14.1	-	-	6.68	20.78	1134.85
diethylene glycol	107	-	-	63.70	170.70	1305.55
methyl alcohol	11.7	-	-	0.50	12.20	1317.75
Toluene 2,4 diisocyanate	0.343	-	-	0.20	0.54	1318.29
Dichlorobenzene	0.0004	-	-	-	0.0004	1318.29
Hexane	0.656	-	-	-	0.656	1318.95
Lead	0.0002	-	-	-	0.0002	1318.95
Cadmium	0.0004	-	-	-	0.0004	1318.95
Chromium	0.0005	-	-	-	0.0005	1318.95
Manganese	0.0001	-	-	-	0.0001	1318.95
Nickel	0.0008	-	-	-	0.0008	1318.95
Arsenic	0.0004	-	-	-	0.0004	1318.95
Beryllium	0.0003	-	-	-	0.0003	1318.95
Cadmium	0.0003	-	-	-	0.0003	1318.95
Mercury	0.0003	-	-	-	0.0003	1318.95
Selenium	0.002	-	-	-	0.002	1318.96
Additional HAPS From Insignificant Activities	1.60	-	-	-	1.60	**1320.56**

(B) Source Emissions After Controls and Limitations:

The following table lists the source emissions after controls, limitations, and changes which were obtained from information from the application and information provided in the technical support documents of the part 70 permit and all subsequent approvals.

	PM tons/yr	PM10 tons/yr	SO2 tons/yr	NOx tons/yr	VOC tons/yr	CO tons/yr	Worst Case Single HAP tons/yr	Combined HAP tons/yr
5942*	42.24	33.94	57.60	91.70	<250	41.80	-	<247.9
11770**	-	-	-	-	<10	-	-	<10
16292***	1.72	1.72	-	-	<25	-	-	<20
Total	**43.96**	**35.66**	**57.60**	**91.70**	**<285**	**41.80**	**N/A**	**<277.90**

* The limited emissions under 5942 include the existing source limited emissions and the emissions after application of the proposed changes because the control devices are the same before and after the changes and the limits that currently apply, include the units that are changed.

The source VOC emissions are limited to less than 250 tons per year. In addition, the combined VOC emissions of spray booths SB-C24 and SB-C32 are limited to less than or equal to 66 tons per year, and the VOC emissions from compounding lines SMC-MFG1 and SMC-MFG3, each, are limited to less than 25 tons per year.

The source combined HAP emissions are limited to less than 247.9 tons per year. In addition, the combined HAP emissions from SMC-MFG1 and SMC-MFG3, each, are limited to less than 25 tons per year, and the individual HAP emissions from molding presses 2566 and 2567, each, are limited to less than 10 tons per year.

** The VOC and combined HAP emissions from plastic molding presses PRV-2572 and PRV-2573, combined, are limited to less than 10 tons per year.

*** The VOC emissions from SMC manufacturing lines Machine 1 and Machine 2, combined, are limited to less than 25 tons per year.

The combined HAP emissions from SMC manufacturing lines Machine 1 and Machine 2, each, are limited to less than 10 tons per year.

(2) Changes to the Permit:

To incorporate the correct usage rate into the Part 70 permit, the following changes shall be made. All additional language is indicated in bold type. All deleted information is struck-out.

Condition A.2:

Condition A. 2 shall be changed as follows to include the correct usage rate of 13.9 gallons per hour.

A.2 Emission Units and Pollution Control Equipment Summary [326 IAC 2-7-4(c)(3)] [326 IAC 2-7-5(15)]

This stationary source consists of the following emission units and pollution control devices:

Painting Operations

(a) One (1) prime spray booth, known as SB-A, equipped with HVLP spray applicators and dry filters for overspray control, installed in September 1993, exhausted through stack G, capacity: ~~5~~ **13.9** gallons of paint per hour.

.....

Unit Description of Section D.1:

Condition A. 2 shall be changed as follows to include the correct usage rate of 13.9 gallons per hour.

Facility Description [326 IAC 2-7-5(15)]: Painting and Compounding Operations

(a) One (1) prime spray booth, known as SB-A, equipped with HVLP spray applicators and dry filters for overspray control, installed in September 1993, exhausted through stack G, capacity: ~~5~~**13.9** gallons of paint per hour.

(b) Modifying Booth SB-A to Include UV Coating as One of the Application Methods:

Currently, Meridian Automotive Systems, Inc. applies coatings in booth SB-A using with HVLP spray application. After implementation of the proposed UV coating application system, the coatings will be applied using either the HVLP or UV spray application.

Upon completion of the emission calculations it is determined that there will not be an increase in the booth UPTE because the emissions generated via the current permitted application system (HVLP) are greater than those generated utilizing the UV application system.

	PM (tons/yr)	PM10 (tons/yr)	VOC (tons/yr)	Worst Case Single HAP (tons/yr)	Combined HAPs (tons/yr)
HVLP	**97.2**	**97.2**	**341.56**	**130.24**	**505.53**
UV	3.46	3.46	162.06	6.39	7.49

In addition, there will be no increases in production or emissions from any existing emission units and there will be no changes to the existing requirements that are necessary and no new requirements triggered as a result of the proposed change.

Thus, to incorporate the proposed UV coating system into the permit, the unit descriptions shall be revised as follows to include UV coating as one of the application methods. All additional language is indicated in bold type. All deleted information is struck-out.

Condition A.2:

Condition A. 2 shall be changed as follows to include the UV application system.

A.2 Emission Units and Pollution Control Equipment Summary [326 IAC 2-7-4(c)(3)] [326 IAC 2-7-5(15)]

This stationary source consists of the following emission units and pollution control devices:

Painting Operations

(a) One (1) prime spray booth, known as SB-A, equipped with HVLP spray applicators **or with equivalent or better spray applicators** and dry filters for overspray control, installed in September 1993 **and modified in May 2003**, exhausted through stack G, capacity: 13.9 gallons of paint per hour.

.....

Unit Description of Section D.1:

Section D.1 shall be changed as follows to include the UV application system.

Facility Description [326 IAC 2-7-5(15)]: Painting and Compounding Operations

(a) One (1) prime spray booth, known as SB-A, equipped with HVLP spray applicators **or with equivalent or better spray applicators** and dry filters for overspray control, installed in September 1993 **and modified in May 2003**, exhausted through stack G, capacity: 13.9 gallons of paint per hour.

All other conditions of the permit shall remain unchanged and in effect. Please attach a copy of this amendment and the following revised permit pages to the front of the original permit.

This decision is subject to the Indiana Administrative Orders and Procedures Act - IC 4-21.5-3-5. If you have any questions on this matter, please contact Scott Fulton, at (800) 451-6027, press 0 and ask for Scott Fulton or extension (3-5691), or dial (317) 233-5691.

Sincerely,

Original Signed by Paul Dubenetzky
Paul Dubenetzky, Chief
Permits Branch
Office of Air Quality

Attachments
SDF
cc: File - Allen County
U.S. EPA, Region V
Allen County Health Department
Air Compliance Section Inspector - Jennifer Dorn
Compliance Data Section - Karen Nowak
Administrative and Development
Technical Support and Modeling - Michele Boner

PART 70 OPERATING PERMIT
OFFICE OF AIR QUALITY

Meridian Automotive Systems, Inc.
14123 Roth Road
Grabill, Indiana 46741-0189

(herein known as the Permittee) is hereby authorized to operate subject to the conditions contained herein, the source described in Section A (Source Summary) of this permit.

This permit is issued in accordance with 326 IAC 2 and 40 CFR Part 70 Appendix A and contains the conditions and provisions specified in 326 IAC 2-7 as required by 42 U.S.C. 7401, et. seq. (Clean Air Act as amended by the 1990 Clean Air Act Amendments), 40 CFR Part 70.6, IC 13-15 and IC 13-17.

Operation Permit No.: T 003-5942-00059	Date Issued: March 26, 2002

First Minor Source Modification No.: 003-11770-00059	Date Issued: May 3, 2000

First Significant Permit Modification No.: 003-16861-00059	Date Issued: March 14, 2003

First Administrative Amendment No.: 003-16866-00059	Pages Affected: 5 and 28
Original Singed by Paul Dubenetzky Issued by: Paul Dubenetzky Branch Chief, Office of Air Quality	Issuance Date: May 5, 2003

SECTION A SOURCE SUMMARY

This permit is based on information requested by the Indiana Department of Environmental Management (IDEM), Office of Air Quality (OAQ). The information describing the source contained in conditions A.1 through A.4 is descriptive information and does not constitute enforceable conditions. However, the Permittee should be aware that a physical change or a change in the method of operation that may render this descriptive information obsolete or inaccurate may trigger requirements for the Permittee to obtain additional permits or seek modification of this permit pursuant to 326 IAC 2, or change other applicable requirements presented in the permit application.

A.1 General Information [326 IAC 2-7-4(c)] [326 IAC 2-7-5(15)] [326 IAC 2-7-1(22)]

The Permittee owns and operates a stationary high-pressure fiberglass-reinforced plastics manufacturing and painting source.

Responsible Official:	Wayne Fulghum
Source Address:	14123 Roth Road, Grabill, Indiana 46741
Mailing Address:	14123 Roth Road, Grabill, Indiana 46741
General Source Phone Number:	219-627-3612
SIC Code:	3089
County Location:	Allen
Source Location Status:	Attainment for all criteria pollutants
Source Status:	Part 70 Permit Program Minor Source under PSD Rules; Major Source, Section 112 of the Clean Air Act

A.2 Emission Units and Pollution Control Equipment Summary [326 IAC 2-7-4(c)(3)] [326 IAC 2-7-5(15)]

This stationary source consists of the following emission units and pollution control devices:

Painting Operations

(a) One (1) prime spray booth, known as SB-A, equipped with HVLP spray applicators or with equivalent or better spray applicators and dry filters for overspray control, installed in September 1993 and modified in May 2003, exhausted through stack G, capacity: 13.9 gallons of paint per hour.

(b) One (1) spray booth, known as SB-B, equipped with air atomization spray guns and dry filters for overspray control, installed in June 1973, exhausted through stacks I , J, and K, capacity: 10 gallons of paint per hour.

(c) One (1) spray booth, known as SB-C24, equipped with electrostatic spray guns and dry filters for overspray control, installed in 1982, exhausted through stacks D and E, capacity: 3 gallons of paint per hour.

(d) One (1) spray booth, known as SB-C32, equipped with electrostatic spray guns and dry filters for overspray control, installed in 1982, exhausted through stacks B and C, capacity: 4 gallons of paint per hour.

(e) One (1) prime touch up, known as TU-A, equipped with air atomization spray guns and dry filters for overspray control, installed prior to 1980, exhausted through stack H, maximum capacity: 0.25 gallons of paint per hour.

(f) One (1) prime touch up, known as TU-B, equipped with air atomization spray guns and dry filters for overspray control, installed prior to 1980, exhausted through stack L, maximum capacity: 0.25 gallons of paint per hour.

SECTION D.1 FACILITY OPERATION CONDITIONS

Facility Description [326 IAC 2-7-5(15)]: Painting and Compounding Operations

(a) One (1) prime spray booth, known as SB-A, equipped with HVLP spray applicators or with equivalent or better spray applicators and dry filters for overspray control, installed in September 1993 and modified in May 2003, exhausted through stack G, capacity: 13.9 gallons of paint per hour.

(b) One (1) spray booth, known as SB-B, equipped with air atomization spray guns and dry filters for overspray control, installed in June 1973, exhausted through stacks I , J, and K, capacity: 10 gallons of paint per hour.

(c) One (1) spray booth, known as SB-C24, equipped with electrostatic spray guns and dry filters for overspray control, installed in 1982, exhausted through stacks D and E, capacity: 3 gallons of paint per hour.

(d) One (1) spray booth, known as SB-C32, equipped with electrostatic spray guns and dry filters for overspray control, installed in 1982, exhausted through stacks B and C, capacity: 4 gallons of paint per hour.

(e) One (1) prime touch up, known as TU-A, equipped with air atomization spray guns and dry filters for overspray control, installed prior to 1980, exhausted through stack H, maximum capacity: 0.25 gallons of paint per hour.

(f) One (1) prime touch up, known as TU-B, equipped with air atomization spray guns and dry filters for overspray control, installed prior to 1980, exhausted through stack L, maximum capacity: 0.25 gallons of paint per hour.

(g) One (1) touch up, known as TU-FNSH, equipped with air atomization spray guns and dry filters for overspray control, installed prior to 1980, exhausted through stack P, capacity: 1 gallon of paint per hour.

(h) Two (2) SMC manufacturing lines, known as Machine 1 and Machine 2, reconstructed and relocated in 2003, with a capacity of 12,000 pounds of SMC per hour, each, consisting of:

(1) sixteen (16) resin storage tanks, with storage capacities between 2,000 and 6,300 gallons, each,

(2) one (1) small add material handling area,

(3) one (1) SMC mix room, consisting of four (4) mixing tanks, seven (7) holding tanks, and six (6) dynamic mixers,

(4) two (2) SMC machines,

(5) one (1) SMC maturation area, and

(6) one (1) dust collection system, exhausted to Stack SV-01.

(The information describing the process contained in this facility description box is descriptive information and does not constitute enforceable conditions.)

Detailed HAP Emission Calculations

	lb/hr	fraction xylene	fraction MIBK	fraction MEK	fraction ethylene	fraction ethyl benzene	fraction formaldehyde	fraction toluene	fraction cumene	xylene tons/yr	MIBK tons/yr	MEK tons/yr	ethylene tons/yr	ethyl benzene tons/yr	formaldehyde tons/yr	toluene tons/yr	cumene tons/yr
8000 SW BC-17	44.41	0.0288	0.0201	0.0690	0.026	0.00	0.00	0.00	0.00	11.32	7.90	27.11	10.22	0.00	0.00	0.00	0.00
8015 SW G58AR1	45.16	0.0164	0.00	0.1479	0.00	0.00	0.00	0.0329	0.00	5.86	0.00	52.81	0.00	0.00	0.00	11.75	0.00
8023 Red Spot Ebony	41.54	0.2480	0.00	0.00	0.00	0.0827	0.0083	0.0827	0.00	81.30	0.00	0.00	0.00	27.11	2.72	27.11	0.00
8025 Cooks Beige	42.41	0.2083	0.00	0.0657	0.00	0.0371	0.00	0.00	0.00	83.39	0.00	26.30	0.00	14.85	0.00	0.00	0.00
8050 SO Storm Gray	44.30	0.0008	0.00	0.00	0.00	0.0008	0.00	0.0001	0.00	0.25	0.00	0.00	0.00	0.25	0.00	0.03	0.00
8064 SW Med Mist	36.84	0.0047	0.00	0.00	0.00	0.00	0.00	0.0084	0.0031	1.70	0.00	0.00	0.00	0.00	0.00	3.03	1.12
8065 SW Camel Tan	37.13	0.0046	0.00	0.00	0.00	0.00	0.00	0.0085	0.0031	1.70	0.00	0.00	0.00	0.00	0.00	3.13	1.14
8066 Dark Slate	40.45	0.0049	0.00	0.00	0.00	0.00	0.00	0.0084	0.0033	1.69	0.00	0.00	0.00	0.00	0.00	2.90	1.14
8067 SW Med Fawn	36.53	0.0043	0.00	0.00	0.00	0.00	0.00	0.0086	0.0029	1.69	0.00	0.00	0.00	0.00	0.00	3.37	1.14
8116 SW AC-601	29.64	0.0012	0.00	0.00	0.00	0.00	0.00	0.0085	0.0008	0.44	0.00	0.00	0.00	0.00	0.00	3.11	0.29
8118 AKZO 40431 CN	47.99	neg.	0.00	0.0098	0.00	0.00	0.0004	0.00	0.00	neg.	0.00	3.50	0.00	0.00	0.14	0.00	0.00
8119 RS Graphite	43.92	0.2466	0.00	0.00	0.00	0.0411	0.0017	0.0822	0.00	78.54	0.00	0.00	0.00	13.09	0.54	26.18	0.00
8120 SO BP-9471	33.80	0.0071	0.0101	0.0888	0.00	0.0035	0.0003	0.0001	0.00	2.53	3.59	31.60	0.00	1.25	0.11	0.04	0.00
8159 AKZO 224C	49.94	0.0290	0.00	0.00	0.0495	0.00	0.0003	0.00	0.00	11.33	0.00	0.00	19.33	0.00	0.12	0.00	0.00
8616 SW Gray	42.86	0.0236	0.0471	0.00	0.00	0.00	0.00	0.0464	0.00	10.30	20.56	0.00	0.00	0.00	0.00	20.26	0.00
										83.39	**20.56**	**52.81**	**19.33**	**27.11**	**2.72**	**27.11**	**1.14**

Detailed HAP Emission Calculations

	lb/hr	fraction benzene	fraction 2-2-butoxyethoxy	fraction 2-butoxyethanol	fraction diethylene glycol	fraction methyl alcohol	fraction toluene 2, 4 diisocyanate	benzene tons/yr	2-2-butoxyethoxy tons/yr	2-butoxyethanol tons/yr	diethylene glycol tons/yr	methyl alcohol tons/yr	toluene 2, 4 diisocyanate tons/yr
8000 SW BC-17	44.41	0.00	0.00	0.00	0.00	0.00	0.0005	0.00	0.00	0.00	0.00	0.00	0.20
8015 SW G58AR1	45.16	0.00	0.00	0.00	0.1784	0.00	0.00	0.00	0.00	0.00	63.70	0.00	0.00
8023 Red Spot Ebony	41.54	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
8025 Cooks Beige	42.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
8050 SO Storm Gray	44.30	0.00	0.0579	0.00	0.00	0.00	0.00	0.00	18.42	0.00	0.00	0.00	0.00
8064 SW Med Mist	36.84	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
8065 SW Camel Tan	37.13	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
8066 Dark Slate	40.45	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
8067 SW Med Fawn	36.53	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
8116 SW AC-601	29.64	0.00	0.0378	0.00	0.00	0.00	0.00	0.00	13.82	0.00	0.00	0.00	0.00
8118 AKZO 40431 CN	47.99	0.00	0.00	0.00	0.0295	0.00	0.00	0.00	0.00	0.00	10.55	0.00	0.00
8119 RS Graphite	43.92	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
8120 SO BP-9471	33.80	0.00	0.00	0.00	0.0716	0.0014	0.00	0.00	0.00	0.00	25.48	0.50	0.00
8159 AKZO 224C	49.94	0.00	0.00	0.0171	0.0653	0.00	0.00	0.00	0.00	6.68	25.51	0.00	0.00
8616 SW Gray	42.86	0.00	0.00	0.00	0.00	0.00	0.0003	0.00	0.00	0.00	0.00	0.00	0.13
								0.00	**18.42**	**6.68**	**63.70**	**0.50**	**0.20**